

CLAIMS

1. A device comprising a rotatably mounted drum through which fluid flows from outside to inside, whose stable casing is provided over the circumference with a sieve-like perforated structure or the like, and is further provided with a likewise permeable outer covering which covers the casing radially on the outside and preferably an intermediate layer such as screen fabric is arranged between said covering and the casing of the perforated drum to increase the distance between the casing of the perforated drum and the outer covering, characterised in that a clamping element (20) extending in the axial direction and enlarged at least once in the radial direction over the working width of the perforated drum is mounted axially displaceably (23) between the outer surface of the casing of the perforated drum (5) and the inner surface of the outer covering (9).
2. The device according to claim 1, characterised in that the outer covering is formed of a perforated metal sheet (9) or a film.
3. The device according to claim 1 or 2, characterised in that the clamping element (20) is uniformly thick over its length but is directed at least once in the radial direction to a radial enlargement such as an arc (20') or the like.
4. The device according to any one of the preceding claims, characterised in that the clamping element (20) is constructed as narrow compared with its length (working width).
5. The device according to any one of the preceding claims, characterised in that the clamping element

(20) is arranged radially outside the perforated drum casing (5) and is held on said perforated drum casing.

6. The device according to any one of the preceding claims, characterised in that the clamping element (20) is held in a fixed position in the circumferential direction of the perforated drum casing.
7. The device according to claim 6, characterised in that a radially inwardly directed groove (19) is inserted in the outer surface and over the working width of the perforated drum casing (5).
8. The device according to claim 7, characterised in that the clamping element (20) is inserted into the groove (19) and in the circumferential direction of the perforated drum such that in the event of axially directed pulling (22) of the outer covering (9) no additional resistance is formed and nevertheless the clamping element (20) is axially displaceable in the groove (19).
9. The device according to claim 6 or claim 7, characterised in that the clamping element (20) is in radial alignment with the circumferential surface of the perforated drum casing (5) in the mounted state before the clamping of the outer covering (Fig. 4, 6).
10. The device according to any one of the preceding claims, characterised in that in the bearing area of the clamping element (20) and over the width of the clamping element (20) the perforated drum casing (5) is provided with a further radial indentation (21) in which the radial enlargement (20') of the clamping element (20) lies in the mounted state.

11. The device according to any one of the preceding claims, characterised in that for radial clamping of the permeable outer covering (9) the clamping element (20) is axially displaced (23) such that the radial enlargement (20') of the clamping element (20) is displaced from the radial indentation (21) in the perforated drum casing (5) in the sense of bracing the outer covering (9) with the perforated drum casing (5).
12. The device according to any one of the preceding claims, characterised in that the clamping element (20) has the radial enlargement (20') and the perforated drum casing (5) has the indentation (21) in the groove (19) many times over the working surface.
13. The device according to any one of the preceding claims, characterised in that the clamping element (20) has the same thickness over its length and for the radial enlargement (20') is bent so that it fits into the indentation (21) of the groove (19) of the perforated drum casing (5) (Fig. 4).
14. The device according to any one of the preceding claims, characterised in that the clamping element is made of spring steel.
15. The device according to any one of the preceding claims, characterised in that the clamping element (20) is provided over its width and length with perforation (25) suitable for the perforated drum casing (5) for flow through the clamping element (20).